

Figure 1

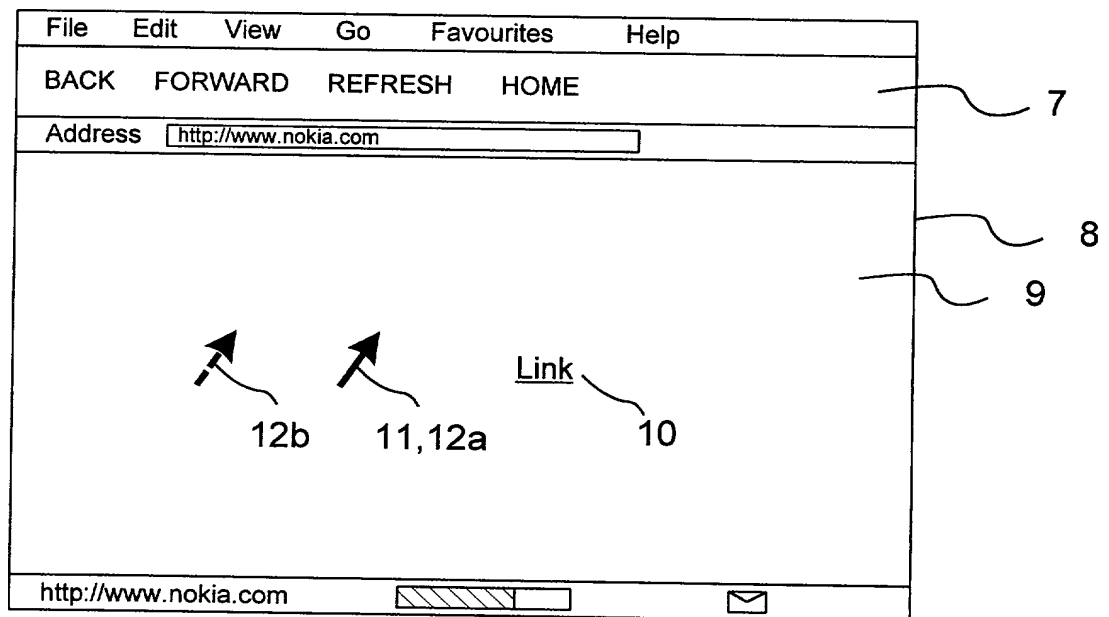
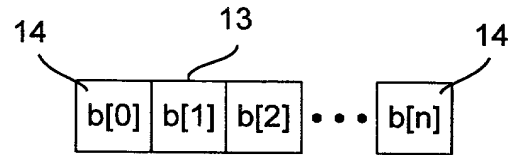


Figure 2



```

graph TD
    START([START]) --> S3[v = v + b[0]]
    S3 --> S4[FOR ALL i  
b[i] = b[i + 1]]
    S4 --> S5{Is abs(v) > maxvelocity[v]?}
    S5 -- YES --> S6[v = sign(v) * maxvelocity[v]]
    S5 -- NO --> S7[p = p + v]
    S6 --> S7
    S7 --> S8[v = v - (sign(v) * f * abs(v))]
    S8 --> S9{Has brake key been pressed?}
    S9 -- YES --> S10[v = v - (sign(v) * f * abs(v))]
    S9 -- NO --> S11[Display pointer at new position]
    S10 --> S7
    S11 --> END([END])

```

Figure 6

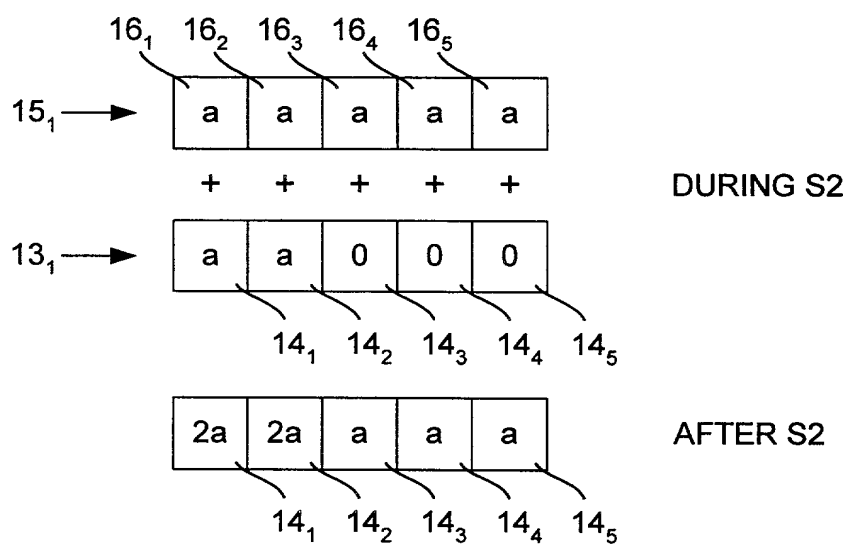


Figure 7

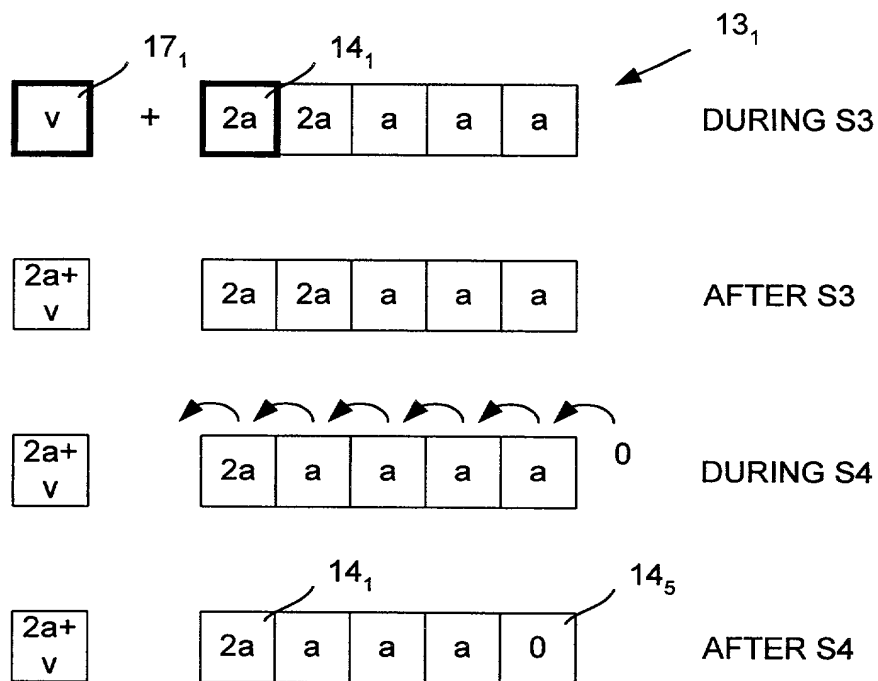
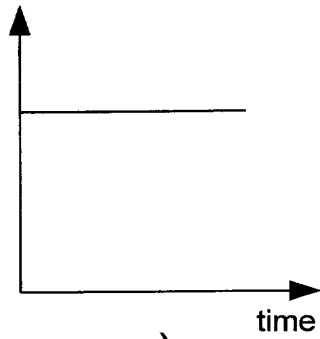
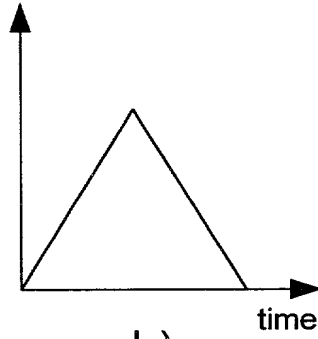


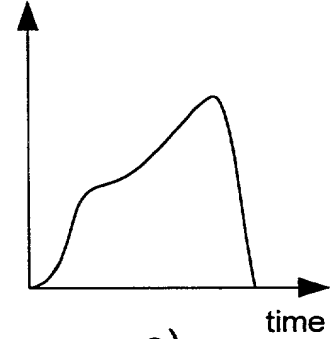
Figure 8

rate of change of
acceleration

a)

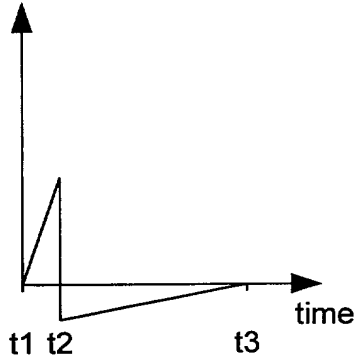
rate of change of
acceleration

b)

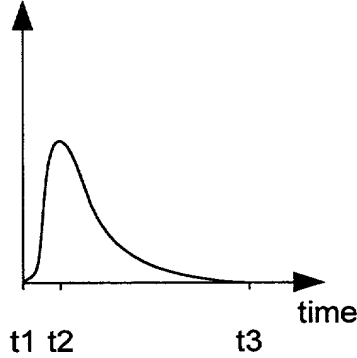
rate of change of
acceleration

c)

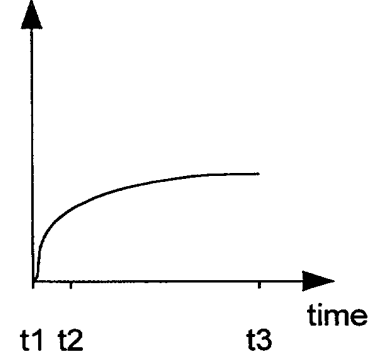
Figure 9

acceleration
along x-axis

a)

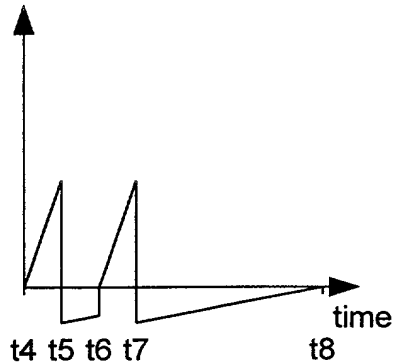
velocity along
x axis

b)

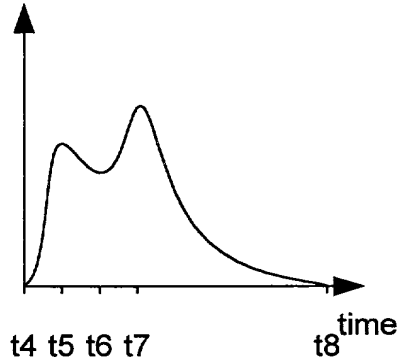
relative position
along x axis

c)

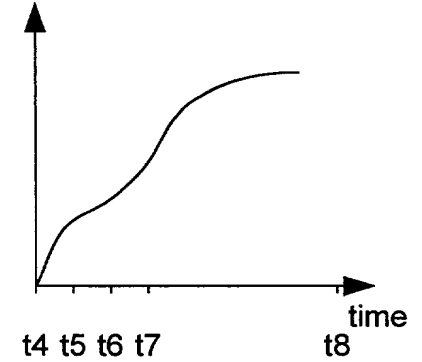
Figure 10

acceleration
along x axis

a)

velocity along
x axis

b)

relative position
along x axis

c)

Figure 11

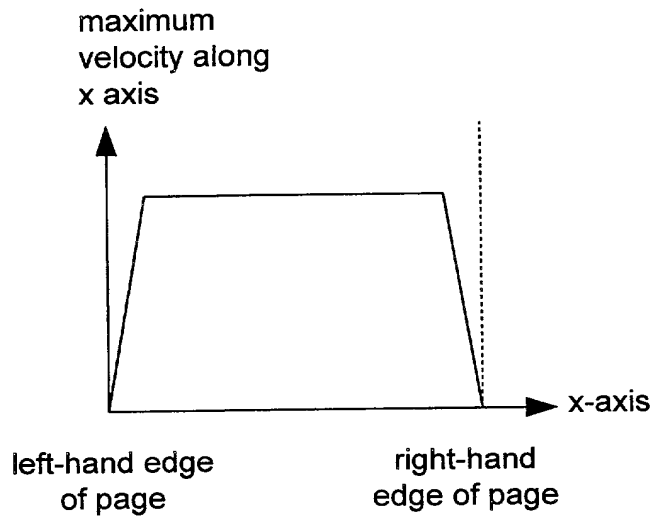


Figure 12

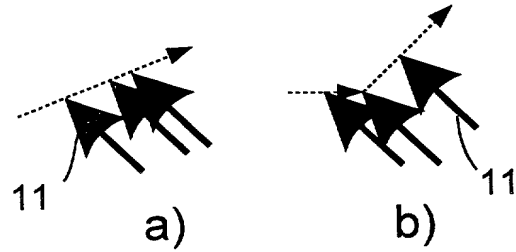


Figure 13

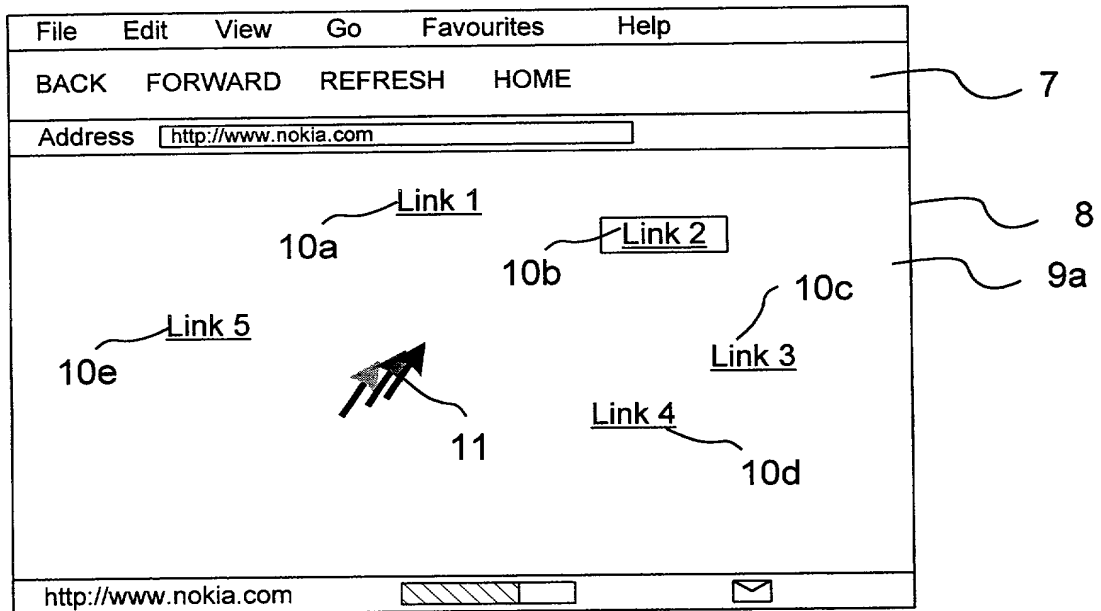


Figure 14

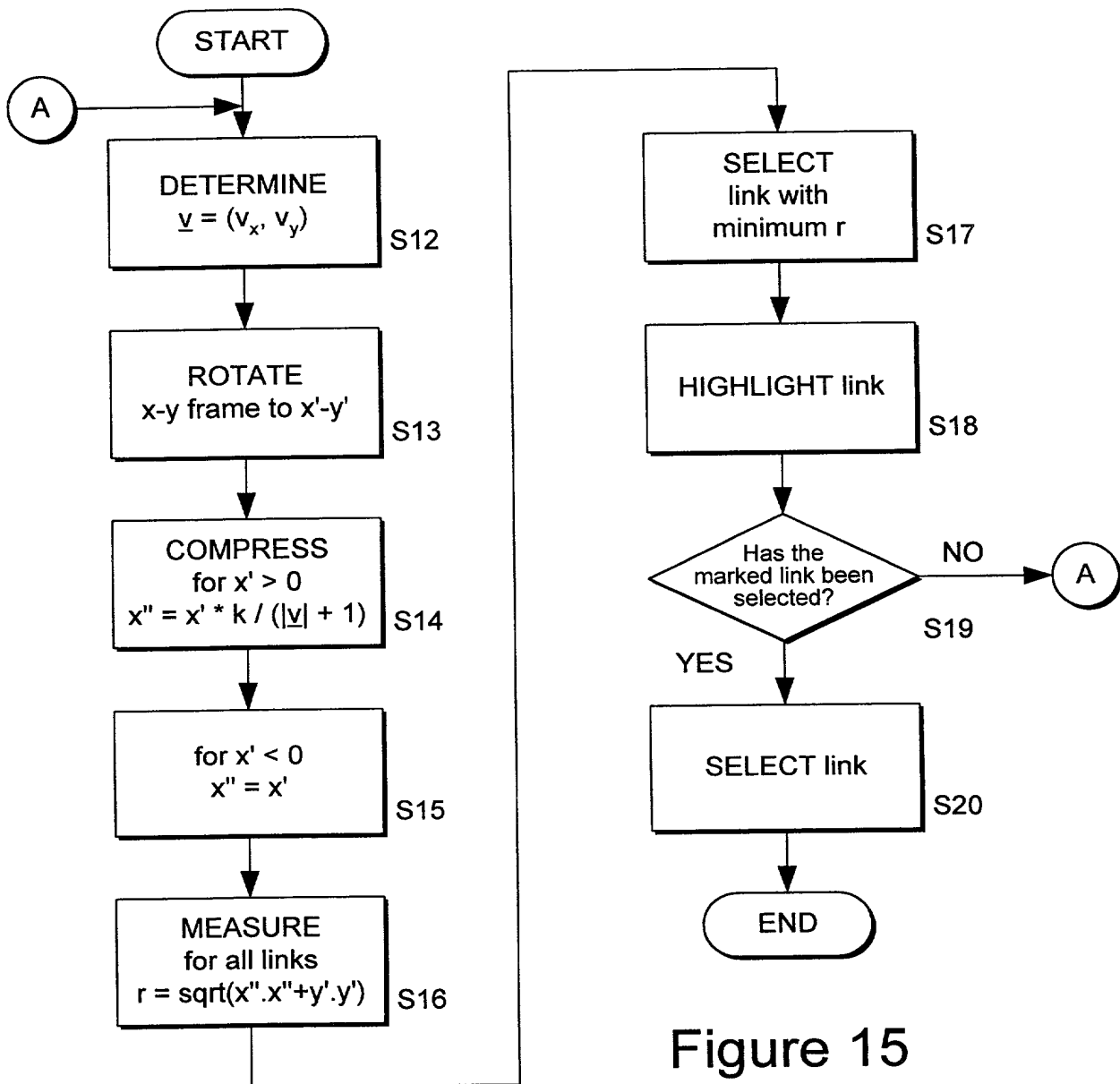


Figure 15

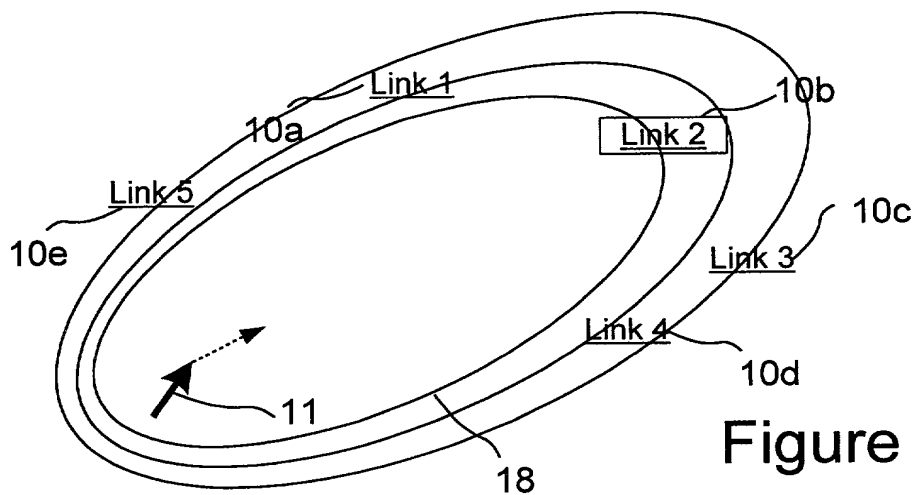


Figure 16

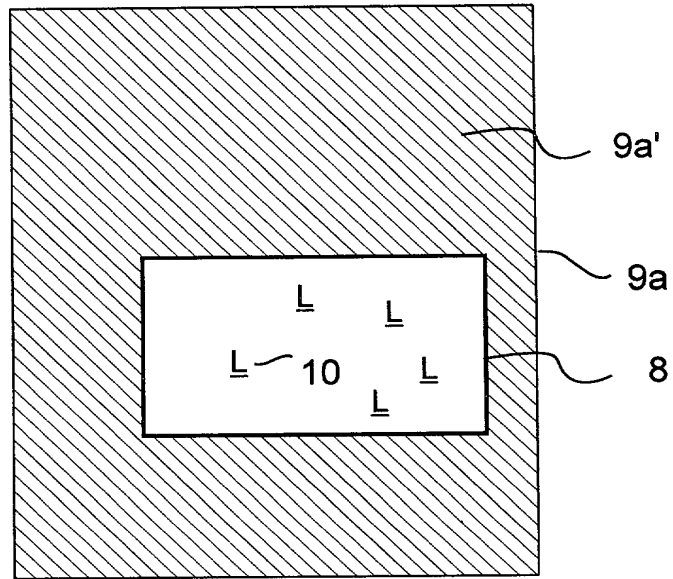


Figure 17

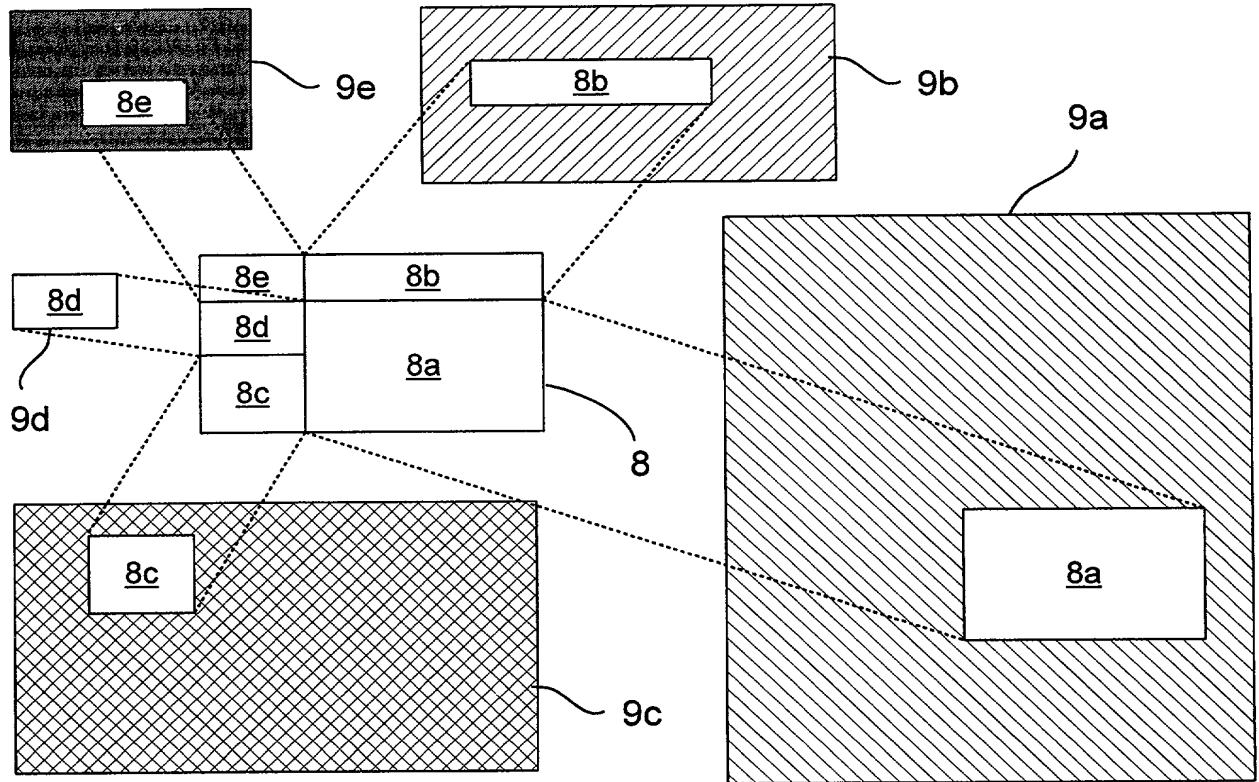


Figure 18

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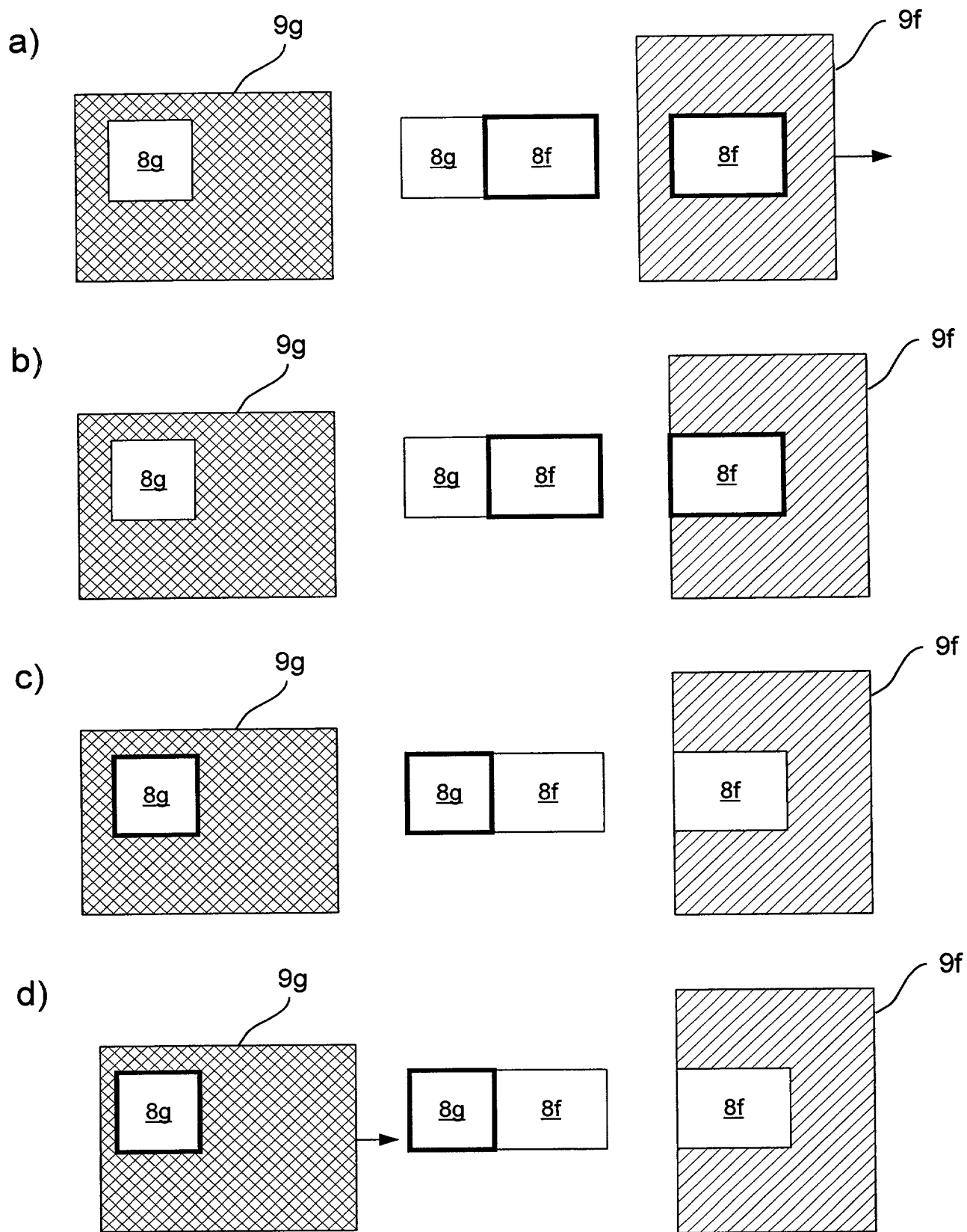


Figure 19

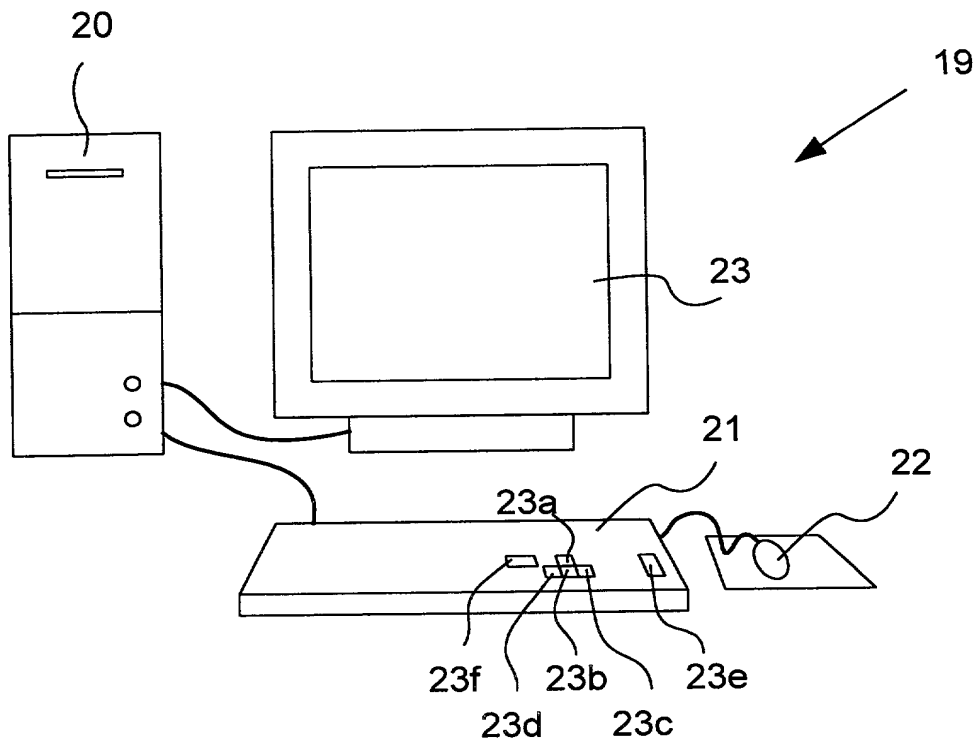


Figure 20

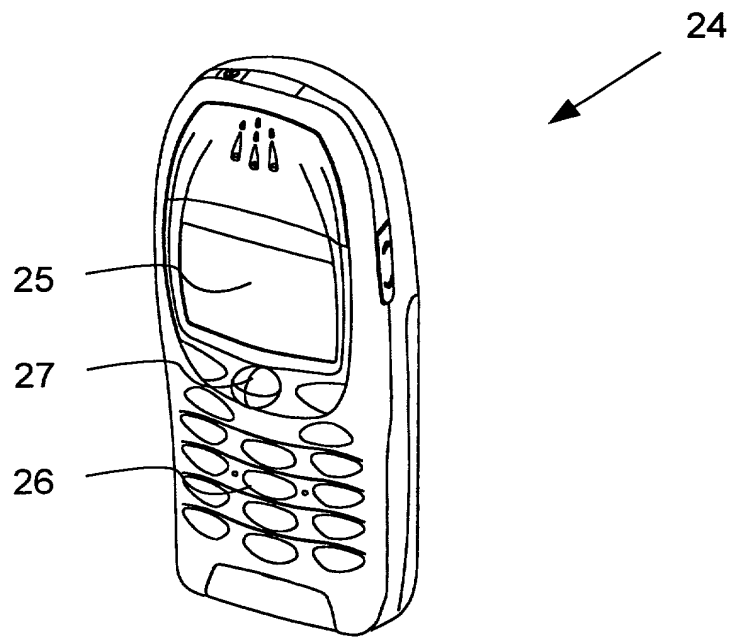


Figure 21